

Real-Time Patient Appointment Scheduling for Efficient Patient Management in Hospitals

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Abstract: *This project focuses on the integration of digital technologies and Artificial Intelligence (AI) to improve doctor availability and streamline appointment allocation in hospital settings. By harnessing AI algorithms, predictive analytics, and smart scheduling systems, this initiative aims to address the challenges associated with patient appointment management, ultimately enhancing the patient experience and optimizing resource utilization. By combining digital technologies and AI, our project seeks to streamline hospital operations, especially during the emergency patients do not have to wait for long hours since further delaying treatment could exacerbate the symptoms and lead to a longer recovery period, long-term disability, or death.*

Keywords: Artificial Intelligence (AI), Healthcare, Application Programming Interface (API), Optimization

